

WHAT IS CLAIMED IS:

1. A recording/playback device that records and reproduces data to and from a recording medium, the device comprising:

a system controlling means for controlling access to the recording medium by a file system processing module that reads and writes data from and to the recording medium with reference to a file system which is information including a physical storage location of a file, and a data base processing module that accesses the file system processing module with reference to content management information for management of contents stored in the recording medium,

the recording medium having recorded therein file search information indicating physical recorded position of a file having the content management information stored therein; and

the data base processing module registering attribute information on a file including at least the content management information into the file system with reference to the file search information.

2. The device according to claim 1, wherein when the file system processing module has failed in mounting a file system stored in a predetermined position in the recording medium, the data base processing module registers attribute information on a file including at least the content management information into the file system with reference to the file search information.

3. The device according to claim 1, wherein the data base processing module

operates to:

- have the file system processing module mount a file system stored in a predetermined position in the recording medium;

- read the file search information with reference to the file system being mounted, while acquiring attribute information on a file not stated in the file search information from a file system being currently mounted;

- have the current file system processing module demount the current file system;
- and

- generate a new file system on the basis of the read file search information and attribute information and mount the new file system.

4. A recording medium access method of controlling access to a recording medium by a file system processing module that reads and writes data from and to the recording medium with reference to a file system which is information including a physical storage location of a file, and a data base processing module that accesses the file system processing module with reference to content management information for management of the contents stored in the recording medium, the method comprising:

- a step in which the data base processing module issues, to the file system processing module, commands for reading and writing a file according to the content management information;

- a step in which the file system processing module reads and writes data from and to the recording medium with reference to the file system according to the commands

from the data base processing module; and

a step in which when mounting a file system, the data base processing module reads, from the recording medium, file search information indicating a physical recorded position of a file having the content management information stored therein, and registers attribute information on a file including at least the content management information into the read file system with reference to the read file search information.

5. The method according to claim 4, wherein when the file system processing module has failed in mounting a file system stored in a predetermined position in the recording medium, the data base processing module registers attribute information on a file including at least the content management information into the file system with reference to the file search information.

6. The device according to claim 4, wherein the data base processing module operates to:

have the file system processing module mount a file system stored in a predetermined position in the recording medium;

read the file search information with reference to the file system being mounted, while acquiring attribute information on a file not stated in the file search information from a file system being currently mounted;

have the current file system processing module demount the current file system;
and

generate a new file system on the basis of the read file search information and

attribute information and mount the new file system.

7. A recording/playback device that records and reproduces data to and from a recording medium, the device comprising:

a system controller for controlling access to the recording medium by a file system processing module that reads and writes data from and to the recording medium with reference to a file system which is information including a physical storage location of a file, and a data base processing module that accesses the file system processing module with reference to content management information for management of contents stored in the recording medium,

the recording medium having recorded therein file search information indicating physical recorded position of a file having the content management information stored therein; and

the data base processing module registering attribute information on a file including at least the content management information into the file system with reference to the file search information.

8. A recording medium access method of controlling access to a recording medium by a file system processing module that reads and writes data from and to the recording medium with reference to a file system which is information including a physical storage location of a file, and a data base processing module that accesses the file system processing module with reference to content management information for management of the contents stored in the recording medium, the method comprising

the steps of:

the data base processing module issuing to the file system processing module, commands for reading and writing a file according to the content management information;

the file system processing module reading and writing data from and to the recording medium with reference to the file system according to the commands from the data base processing module; and

the data base processing module reading from the recording medium, when mounting a file system, file search information indicating a physical recorded position of a file having the content management information stored therein, and registering attribute information on a file including at least the content management information into the read file system with reference to the read file search information.